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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/577,608	05/25/2000	Eigo Kawakami	862.C1917	6496
5514	7590 04/20/2005		EXAMINER	
	CK CELLA HARPER	CHURCH, CRAIG E		
	ELLER PLAZA , NY 10112		ART UNIT	PAPER NUMBER
,			2882	
			DATE MAILED: 04/20/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		09/577,608	KAWAKAMI ET AL.			
		Examiner	Art Unit			
		Craig E. Church	2882			
Period fo	The MAILING DATE of this communication apport or Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)🛛	Responsive to communication(s) filed on 28 January 2005.					
<i>,</i> —	This action is FINAL. 2b) This action is non-final.					
3) 🗌	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E.	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.			
Dispositi	on of Claims					
4) ⊠ Claim(s) 1-7,9,10,12-20,22,24,25 and 27-31 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-7,9,10,12-20,22,24,24,27-31 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement.						
Applicati	on Papers					
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice 2) Notice 3) Information	te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-7, 9, 10, 12-20, 22, 24, 25 and 27-31 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for substituting nitrogen and helium in an x-ray lithography exposure chamber, does not reasonably provide enablement for any gases in any environment as claimed. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to practice the invention commensurate in scope with these claims. As an example, corrosive gas such as nitrous oxide would easily damage the recited static pressure bearing. The specification (lines 1-10 of page 8) states that the invention is directed to x-ray lithography, and it is recommended that the scope of the claims be so limited.

Claims 1-7, 9, 10, 12-20, 22, 24, 25 and 27-31 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, set forth in this Office action.

Applicant's arguments filed January 28, 2005 have been fully considered but they are not persuasive. While being enabling for substituting nitrogen and helium in a static bearing in an x-ray lithography exposure chamber, the disclosure does not reasonably provide enablement for any gases in any environment as claimed. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to practice the invention commensurate in scope with these claims. As an example, corrosive gas such as nitrous oxide would easily damage the recited static pressure bearing. The specification (lines 1-10 of page 8) states that the invention is directed to x-ray lithography, and it is recommended that the scope of the

claims be so limited by positively reciting an x-ray source and x-ray optical means for projecting an x-ray pattern on a semiconductor wafer.

Applicant's position that the invention could comprise an F laser is pretty shaky since neither x-ray source nor F laser is claimed.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication should be directed to Craig E. Church at telephone number (571) 272-2488.

Craig E. Church Senior Examiner Art Unit 2882